

Amended Claims With Mark-ups to Show Changes Made

8. (Twice Amended) A drug infusion assembly for microinfusing a drug into the hypothalamus of a patient's brain, comprising:

a plurality of [at least one] microinfusion catheters [catheter] configured to be inserted into the hypothalamus of a patient's brain, wherein [each of said] at least one microinfusion catheter of said plurality of microinfusion catheters comprises [having] a plurality of drug delivery ports arranged to deliver a drug to a separate site within the hypothalamus;

a drug delivery manifold, wherein each of said plurality of [at least one] microinfusion catheters is functionally coupled to said drug delivery manifold;

a drug supply line functionally coupled to said drug delivery manifold; and

a drug reservoir/pump for retaining and pumping a drug, said drug reservoir/pump functionally coupled to said drug supply line.

40. (Amended) The drug infusion assembly as claimed in claim 8, further comprising a macrocatheter for housing the plurality of [at least one] microinfusion catheters [catheter].

42. (Amended) The drug infusion assembly as claimed in claim 8, wherein [the] at least one microinfusion catheter of the plurality of microinfusion catheters is configured such that each of the plurality of drug delivery ports can be independently controlled.

44. (Amended) The drug infusion assembly as claimed in claim 43, further comprising a controller functionally coupled to [the] at least one microinfusion catheter[,] of the plurality of microinfusion catheters wherein the controller independently controls delivery of a drug from each of the plurality of drug delivery ports of the at least one microinfusion catheter using information gathered from the monitoring electrodes.